

WHAT IS CLAIMED IS:

1. A print system, comprising:

an image input device which photoelectrically reads an image photographed on a photographic film so as to input the read image as image data of an input image;

an image processing device which performs image processing on the input image;

an image output device which outputs the processed image as an output image reproducing the image photographed on the photographic film to a predetermined recording medium;

a storage device which stores an image processing condition relative to each image when generating the output image reproducing the photographed image and image retrieval data for retrieving the image processing condition or compressed image data obtained by compressing the image data, as image reproducing information when generating the output image reproducing the photographed image; and

a retrieval device which performs a retrieval operation on the storage device using the image retrieval data in accordance with an image reorder printing request and reads the image processing condition from the storage

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device,

wherein, when the image reorder printing request is made, an image designated for reorder printing is read photoelectrically from the photographic film, and the image processing is performed on the read image according to the image processing condition when generating the output image reproducing the photographed image retrieved by the retrieval device so that the image is output as an output image.

2. The print system as claimed in claim 1, wherein the image retrieval data is image characteristics data fetched when generating the compressed image data.

3. The print system as claimed in claim 1, wherein a selection can be made as to whether or not the compressed image data is stored in the storage device.

4. The print system as claimed in claim 1, wherein the image retrieval data, the image processing condition and the compressed image data are individually related to each other, and when any one of these data is deleted, the rest of these data is deleted, or when any one of these data is updated, the rest of these data is updated.

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5. The print system as claimed in claim 1, wherein the image retrieval data, the image processing condition and the compressed image data are individually related to each other and managed on a database of the storage device every at least one or more of frame number, kind of film, type of camera, customer, particular ID of image, order received year/month/day, order received shop, printer, order, film format, type of film carrier, film mask, year/month/day/time of when photographed, image format and order terminal.

6. The print system as claimed in claim 1, wherein the print system is further connected to the other print systems via a network, and the other print systems connected to the network are also retrieved when performing the retrieval operation using the image retrieval data upon handling the reorder of the image.

7. The print system as claimed in claim 6, wherein the image reproducing information is managed by a server of the network, and the server is also retrieved when performing the retrieval operation.

8. The print system as claimed in claim 1, wherein a

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retrieval range and a retrieval condition can be preset when performing the retrieval operation.

9. The print system as claimed in claim 1, wherein the image reproducing information, the image retrieval data and the compressed image data are backed up at predetermined timing.

10. The print system as claimed in claim 9, wherein the predetermined timing is any one of system startup, startup inspection, inspection on work finishing, system shutdown, system hang-up, time when instruction is given by an operator and software version up.

11. The print system as claimed in claim 1, wherein the number of frames of storable image reproducing information is set in accordance with print system performance and resource, and further, is changeable.

12. The print system as claimed in claim 2, wherein the image processing condition and the image characteristics data related thereto are independently stored as the image reproducing information, or a set of the image processing condition and the image

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characteristics data related thereto is stored as the image reproducing information.

13. The print system as claimed in claim 1, wherein the image reproducing information is obtained by loading image reproducing information of a predetermined print system or referring thereto at predetermined timing.

14. The print system as claimed in claim 13, wherein the loaded image reproducing information can be deleted after an image reorder handling is completed.

15. A print system comprising:

an image input device which photoelectrically reads an image photographed on a photographic film so as to input the read image as image data of an input image;

an image processing device which performs image processing on the input image;

an image output device which outputs the processed image as an output image reproducing the image photographed on the photographic film to a predetermined recording medium;

a storage device which stores an image data after being processed by the image processing device and before

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being converted into an output format corresponding to the predetermined recording medium, as an image reproducing information when generating the output image reproducing the photographed image, together with an image identification code for specifying the image data; and

a retrieval device which performs a retrieval operation on the storage device using the image identification code in accordance with an image reorder printing request and reads the image reproducing information from the storage device,

wherein, when the image reorder printing request is made, the processed image data corresponding to the image designated for reorder printing is read from the storage device using the image identification code, and is output to the predetermined recording medium from the image output device.

16. The print system as claimed in claim 15, wherein the processed image data stored as the image reproducing information is image data subjected to at least one image processing of electronic scaling processing, color gradation, color density correction processing, sharpness processing, and dodging processing.

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17. The print system as claimed in claim 15, wherein the processed image data stored as the image reproducing information is related to each other and managed on a database of the storage device every at least one or more of frame number, kind of film, type of camera, customer, particular ID of image, order received year/month/day, order received shop, printer, order, film format, type of film carrier, film mask, year/month/day/time of when photographed, image format and order terminal.

18. The print system as claimed in claim 15, wherein the print system is further connected to the other print systems via a network, and the other print systems connected to the network are also retrieved when retrieving the image reproducing information upon handling the reorder of the image.

19. The print system as claimed in claim 18, wherein the processed image data stored as the image reproducing information is managed by a server of the network, and the server is also retrieved when performing the retrieval operation.

20. The print system as claimed in claim 15, wherein

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the image reproducing information, the image retrieval data and the processed image data stored as the compressed image data are backed up at predetermined timing.

21. The print system as claimed in claim 20, wherein the predetermined timing is any one of system startup, startup inspection, inspection on work finishing, system shutdown, system hang-up, time when instruction is given by an operator and software version up.

22. The print system as claimed in claim 15, wherein a retrieval range and a retrieval condition can be preset when performing the retrieval operation.

23. The print system as claimed in claim 15, wherein the number of frames of storable image reproducing information is set in accordance with print system performance and resource, and further, is changeable.

24. The print system as claimed in claim 15, wherein the image reproducing information is obtained by loading image reproducing information of a predetermined print system at predetermined timing.

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25. The print system as claimed in claim 24, wherein the loaded image reproducing information can be deleted after an image reorder handling is completed.

26. The print system as claimed in claim 1, wherein a selection can be made as to whether the image after the reorder handling is output using the same print system as used when generating the output image reproducing the image photographed on the photographic film, or using another print system.

27. A print system comprising:

an image input device which photoelectrically reads an image photographed on a photographic film so as to input the read image as image data of an input image;

an image processing device which performs image processing on the input image;

an image output device which outputs the processed image as an output image reproducing the image photographed on the photographic film to a predetermined recording medium;

a storage device which stores an image data after being processed by the image processing device and before being converted into an output format corresponding to the

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predetermined recording medium, an image processing condition relative to each image when generating an output image reproducing the photographed image, an image retrieval data for specifying the image processing condition or the processed image data, or compressed image data obtained by compressing the image data, as an image reproducing information when generating the output image reproducing the photographed image;

a retrieval device which retrieves the processed image data or the image processing condition from the storage device using the image retrieval data in accordance with an image reorder printing request; and

a judgment device which judges whether or not there is a change between the image processing condition when the output image reproducing the photographed image is generated and that when the reorder is made,

wherein, when there is no change in the image processing condition upon the reorder, the image is output using the processed image data stored in the storage device, and

wherein, when there is a change in the image processing condition upon the reorder, the image is newly read from the photographic film, and the image processing condition corresponding to the image stored in the storage

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device is accessed and changed so that image processing is performed to the read image according to the changed image processing condition.

28. The print system as claimed in claim 27, wherein even though there is a change in the image processing condition upon the reorder, when the change is within a preset allowable range, the image is output using the processed image data stored in the storage device.

29. The print system as claimed in claim 27, wherein the storage device stores the image reproducing information only for a predetermined period, and stores the image retrieval data and the image processing condition or optionally the compressed image data of the image reproducing information after elapse of the predetermined period, and the processed image data is erased.

30. The print system as claimed in claim 29, wherein the predetermined period can be preset by an operator.

31. The print system as claimed in claim 27, further comprising a display capable of displaying an image, wherein, retrieval result of the image reproducing

information is displayed on the display upon the reorder.

32. The print system as claimed in claim 31, wherein when a retrieval object is not found from the retrieval result, or when an error in retrieving is made, images listed as a second candidate and the following can be displayed, or instruction for retrieving can be given again.

33. The print system as claimed in claim 27, further comprising a back-printing device which performs back-printing on a print of the output image,

wherein the back-printing showing retrieval result of the image reproducing information is performed upon the reorder.

34. The print system as claimed in claim 27, wherein when the storage device stores the image reproducing information, the number of frames of storable image reproducing information is set in accordance with print system performance and resource, and further, is changeable, or further optionally a selection can be made as to whether or not the compressed image data is stored.

35. The print system as claimed in claim 27, wherein

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the image processing condition and the image characteristics data related thereto are independently stored as the image reproducing information, or a set of the image processing condition and the image characteristics data related thereto is stored as the image reproducing information.

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